Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

MCA (2015 & Onwards)   (Sem.–5)
WEB TECHNOLOGIES
Subject Code : MCA-503
M.Code : 74383

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students have to attempt any ONE question from each SECTION.**
2. **SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.**

SECTION-A

1. Write a note on XML DTD. Also give an example.

2. a) What is XSLT? What are its advantages?
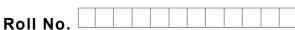
   b) What are XML NameSpaces?

SECTION-B

3. a) How content manipulation is done with jQuery?

   b) What is get attribute value and set attribute value in jQuery?

4. Explain about AJAX. What are the different AJAX technologies? List down the web applications which make use of AJAX.

SECTION-C

5. a) Explain different types of Array used in PHP.

   b) Explain the different data types of PHP.
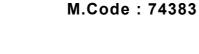
6. How e-mails are send using PHP?

SECTION-D

7.   Differentiate between SOAP and REST Web services.

8.   What are different types of Content Management Systems? Also write down the features of CTS.

SECTION-E

9.   **Write briefly :**

a)   Can we have empty XML tags?

b)   What are the special characters used in XML?

c)   Why XSLT is important for XML?

d)   What are all the features of Ajax?

e)   What are the methods used to provide effects in jQuery?

f)   Is jQuery replacement of Java Script?

g)   What is the difference between include and require?

h)   What is the use of in_array() function in php?

i)   What does XMLHttpRequest do?

j)   Name some of the most commonly used PHP based CMISs?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.